

# Notice of Allowability

Application No.

09/759,697

Examiner

MARY STEELMAN

Applicant(s)

HALSTEAD, ET AL.

Art Unit

2191

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 5/18/2007, 5/24/2007.
2. ☒ The allowed claim(s) is/are 1-4, 6-16, 18-26, 29-38 (to be renumbered in order).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 05/18/2007
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

### **DETAILED ACTION**

1. This Office Action is in response to RCE, Amendments, and Remarks received 05/18/2007. Per Applicant's request claims 1-4, 6-8, 10-16, 18-20, 22-26, and 29-30 are amended. Claims 31-38 are newly added. Claims 1-4, 6-16, 18-26, and 29-38 are pending. Claims 5, 17, 27, and 28 are cancelled.
2. Terminal Disclaimer related to copending Application 09 / 760031 has been received and accepted.
3. In view of the amendment to claim 13, the prior 35 USC 101 rejection is hereby withdrawn.

### ***Allowable Subject Matter***

4. Claims 1-4, 6-16, 18-26, and 29-38 (to be renumbered in order) are allowed.

The following is an examiner's statement of reasons for allowance:

5. Regarding independent claims 1, 13, 25, and 26, as Applicant has noted on page 19, 2<sup>nd</sup> and 3<sup>rd</sup> paragraphs of Remarks, Nelson, Badavas, and other cited prior arts, taken alone or in combination, fail to disclose, the combined limitations, taken as a whole:

“compiling a definition of a class which supports options...wherein compiling the definition comprises generating a class describing data structure, wherein the class describing data structure is associated with at least one option describing data structure, and the at least one option describing data structure comprising a type description corresponding to each option defined in the class or through the class inheritance hierarchy...”

“wherein compiling the operation comprises searching the at least one option describing data structure associated with the class describing data structure to locate the type description corresponding to the selected option, and using the type description to type check the operation.”

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”

### ***Conclusion***

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mary Steelman, whose telephone number is (571) 272-3704. The examiner can normally be reached Monday through Thursday, from 7:00 AM to 5:30 PM. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wei Zhen can be reached at (571) 272-3708. The fax phone number for the organization where this application or proceeding is assigned: 571-273-8300.

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 Group receptionist: 571-272-2100.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mary Steelman

06/08/2007

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### **DETAILED ACTION**

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2. Terminal Disclaimer related to copending Application 09 / 760031 has been received and accepted.
3. In view of the amendment to claim 13, the prior 35 USC 101 rejection is hereby withdrawn.
4. IDS received 05/18/2007 has been considered.

### ***Allowable Subject Matter***

5. Claims 1-4, 6-16, 18-26, and 29-38 (to be renumbered in order) are allowed.

The following is an examiner's statement of reasons for allowance:

6. Regarding independent claims 1, 13, 25, and 26, as Applicant has noted on page 19, 2<sup>nd</sup> and 3<sup>rd</sup> paragraphs of Remarks, Nelson, Badavas, and other cited prior arts, taken alone or in combination, fail to disclose, the combined limitations, taken as a whole:

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option describing data structure comprising a type description corresponding to each option defined in the class or through the class inheritance hierarchy...”

“wherein compiling the operation comprises searching the at least one option describing data structure associated with the class describing data structure to locate the type description corresponding to the selected option, and using the type description to type check the operation.”

Thus all remaining dependent claims, claims 2-4, 6-12, 14-16, 18-24, and 29-38, are allowed.

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### ***Conclusion***

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Mary Steelman

06/08/2007

*Mary Steelman*  
*Primary Examiner*